

The KYN 27 series of indoor switchgear is used to receive and distribute power, control and monitor the power system in the three-phase 50 Hz single-bus and single bus section system with the rated voltage of 3.6 to 24 kV. It is mainly used in power plants, substations, petroleum and chemical industries.

1.1 times of rated current, 10K below IEC limits

12kV products adaptable to altitude of up to 5,000m, 24kV products adaptable to altitude of up to 2,000m

circuit breaker with electrical endurance of 30 operations, E2 class earthing switch (5 times)

circuit breaker and earthing switch mechanically type tested for 10,000 and 3,000 operations respectively

for chassis truck and earthing switch

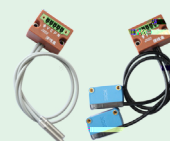
Parameter		Unit	Data	
Rated voltage		kV	12	24
Rated frequency		Hz	50	
Rated current of main busbar		A		
Branch busbar rated current		A	630 / 1,250 / 2,000 / 2,500 / 3,150 / 4,000 / 5,000	1,250 / 3,150
Rated insulation levels	Rated power frequency withstand voltage (1min)	kV	42 ( fracture48 )	
	Rated lightning impulse withstand voltage		75 ( fracture85 )	
Rated short-time withstand currents		kA	25 / 31.5 / 40 / 50	31.5
Rated duration of short circuit		s	4	
Rated peak withstand currents		kA	63 / 100 / 80 / 100 / 125	80
Rated short circuit breaking current		kA	25 / 31.5 / 40 / 50	31.5
Rated short circuit making current (peak)		kA	63 / 80 / 100 / 125	80
Internal Arc		kA/s	ALFR 25/1 31.5/1 40/1 50/1	ALFR 31.5/1
Degree of protection	enclosure/compartment	/	IP 4X/ IP 2X	



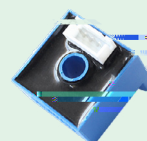
① Data processing and transmission module



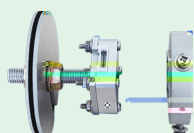
② Built-in video monitoring module



③ Sensor for determine the location of the circuit breaker



④ Current sensor



⑤ Magnetic sensor to monitor depletion of circuit breaker

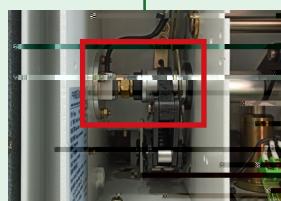


⑥ Temperature collection module



⑦ Partial discharge online monitoring module

⑧ Electric chassis truck to control circuit breaker



magnetic sensor to monitor depletion of circuit breaker



1,250A/4,000A built-in temperature measurement sensor on circuit breaker contact



partial discharge online monitoring sensor applicable to ultra-sound, ultra-high frequency and transient ground voltage